

Attorney Docket No. 2507-6262US (22035-US)

DECLARATION FOR PATENT APPLICATION (WITH POWER OF ATTORNEY)

As an inventor named below or on any attached continuation page, I hereby declare that:  
My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled REACTIVE COMPOSITIONS INCLUDING METAL AND METHODS OF FORMING SAME, the specification of which (check one):

- ☐ is attached hereto.  
☒ was filed on March 15, 2004 as United States application serial no. 10/801,946 and was amended on \_\_\_\_\_.  
☐ was filed on \_\_\_\_\_ as PCT international application no. \_\_\_\_\_ and was amended under PCT Article 19 on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to the patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and on any attached continuation page and have also identified below and on any attached continuation page any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America having a filing date before that of the application(s) on which priority is claimed.

Prior foreign/PCT application(s):

			Priority	Claimed
_____	_____	_____	_____	_____
(number)	(country)	(day/month/year filed)	Yes	No
_____	_____	_____	_____	_____
(number)	(country)	(day/month/year filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of PCT international application(s) designating the United States of America listed below and on any attached continuation page and, insofar as the subject matter of each of the claims of this application is not disclosed in any such prior application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available

**DECLARATION FOR PATENT APPLICATION**  
(continuation page)

Invention Title: REACTIVE COMPOSITIONS INCLUDING METAL AND METHODS OF FORMING SAME

between the filing date of such prior application and the national or PCT international filing date of this application:

_____	_____	_____
(application serial no.)	(filing date)	(status—pending, patented or abandoned)
_____	_____	_____
(application serial no.)	(filing date)	(status—pending, patented or abandoned)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

_____	_____
(provisional application no.)	(filing date)

I hereby appoint the following Registered Practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

David V. Trask, Reg. No. 22,012	William S. Britt, Reg. No. 20,969
Laurence B. Bond, Reg. No. 30,549	Joseph A. Walkowski, Reg. No. 28,765
James R. Duzan, Reg. No. 28,393	H. Dickson Burton, Reg. No. 48,396
Allen C. Turner, Reg. No. 33,041	Edgar R. Cataxinos, Reg. No. 39,931
Kent S. Burningham, Reg. No. 30,453	Brick G. Power, Reg. No. 38,581
Kevin K. Johanson, Reg. No. 38,506	Krista Weber Powell, Reg. No. 47,867
Bretton L. Crockett, Reg. No. 44,632	Bradley B. Jensen, Reg. No. 46,801
Andrew F. Nilles, Reg. No. 47,825	Greg T. Warder, Reg. No. 50,208
Katherine A. Hamer, Reg. No. 47,628	Marcus S. Simon, Reg. No. 50,258
Trent N. Butcher, Reg. No. 51,518	Jeffery M. Michelsen, Reg. No. 50,978
G. Scott Dorland, Ph.D., Reg. No. 51,622	Bruce C. Anderson, Reg. No. 46,519

Address all correspondence to: Katherine A. Hamer, telephone no. (801) 532-1922.

**TRASKBRITT, PC**  
**P.O. Box 2550**  
**Salt Lake City, Utah 84110**

**DECLARATION FOR PATENT APPLICATION**  
(continuation page)

Invention Title: REACTIVE COMPOSITIONS INCLUDING METAL AND METHODS OF FORMING SAME

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Benjamin N. Ashcroft

Inventor's signature Benjamin N. Ashcroft Date April 1, 2004

Residence: Perry, Utah

Citizenship: U.S.A.

Post Office Address: 518 West 2400 South, Perry, Utah 84302

Full name of second joint inventor: Daniel B. Nielson

Inventor's signature Daniel B. Nielson Date April 1, 2004

Residence: Tremonton, UT

Citizenship: U.S.A.

Post Office Address: 3342 W. 1000 N., Tremonton, UT 84337

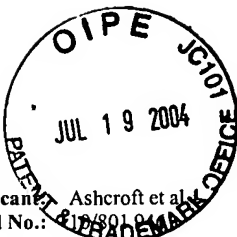
Full name of third joint inventor: Daniel W. Doll

Inventor's signature Daniel W. Doll Date April 1, 2004

Residence: Marriott Slaterville, UT

Citizenship: U.S.A.

Post Office Address: 740 N. 2800 West, Marriott Slaterville, UT 84404-9515



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ashcroft et al.  
Serial No.: 617,801 P  
Filed: March 15, 2004  
Title: REACTIVE COMPOSITIONS INCLUDING METAL AND METHODS OF FORMING SAME

Examiner: Unknown  
Group Art Unit: Unknown  
Attorney Docket No.: 2507-6262US

POWER OF ATTORNEY BY ASSIGNEE  
AND CERTIFICATE UNDER 37 CFR § 3.73(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

ALLIANT TECHSYSTEMS INC., assignee of the entire right, title and interest by assignment from the inventor(s) in the above-identified application, hereby appoints the following attorneys and agents:

David V. Trask, Reg. No. 22,012  
Joseph A. Walkowski, Reg. No. 28,765  
Allen C. Turner, Reg. No. 33,041  
Brick G. Power, Reg. No. 38,581  
Bretton L. Crockett, Reg. No. 44,632  
Greg T. Warder, Reg. No. 50,208  
Trent N. Butcher, Reg. No. 51,518  
Bruce C. Anderson, Reg. No. 46,519

William S. Britt, Reg. No. 20,969  
James R. Duzan, Reg. No. 28,393  
Edgar R. Cataxinos, Reg. No. 39,931  
Kevin K. Johanson, Reg. No. 38,506  
Bradley B. Jensen, Reg. No. 46,801  
Katherine A. Hamer, Reg. No. 47,628  
G. Scott Dorland, Ph.D., Reg. No. 51,622

Laurence B. Bond, Reg. No. 30,549  
H. Dickson Burton, Reg. No. 48,396  
Kent S. Burningham, Reg. No. 30,453  
Krista Weber Powell, Reg. No. 47,867  
Andrew F. Nilles, Reg. No. 47,825  
Marcus S. Simon, Reg. No. 50,258  
Jeffery M. Michelsen, Reg. No. 50,978

as its attorneys with full power of substitution to prosecute this application and all applications claiming filing date priority therefrom and to transact all business in the U.S. Patent and Trademark Office in connection therewith.

The above-identified assignee hereby elects, pursuant to 37 C.F.R. § 3.71, to conduct the prosecution of the above-identified patent application to the exclusion of the inventor(s).

A chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee is shown:

- ☐ In an assignment recorded in the U.S. Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_.
- ☒ In an assignment filed herewith for recordation, a true copy of which is attached hereto.

The undersigned has reviewed the above-identified assignment and, to the best of his knowledge and belief, title is in the above-identified assignee.

The undersigned further avers that he is empowered to make and sign the foregoing certification on behalf of the above-identified assignee, and to take the action set forth herein on its behalf.

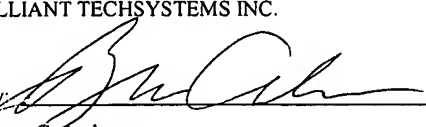
Please direct all communications regarding the above-identified application to:

Katherine A. Hamer,  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, UT 84110  
Telephone: (801) 532-1922  
Fax: (801) 531-9168

Respectfully submitted,

ALLIANT TECHSYSTEMS INC.

Date: 5-3-04

By:   
Bruce C. Anderson  
Reg. No. 46,519  
Assistant Secretary,  
ALLIANT TECHSYSTEMS, INC.

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at M.S. MN01-2070, 5050 Lincoln Drive, Edina, MN 55436-1097, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 10/801,946 filed on March 15, 2004, and entitled **REACTIVE COMPOSITIONS INCLUDING METAL AND METHODS OF FORMING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

**AGREE** and **ACKNOWLEDGE** that the **SALE, ASSIGNMENT AND TRANSFER** of rights and property set forth herein is and shall be **IRREVOCABLE** and **BINDING** upon the heirs, assigns, representatives and successors of each undersigned **ASSIGNOR** and **EXTEND** to the successors, assigns and nominees of the **ASSIGNEE**.

**ASSIGNORS:**

Benjamin N. Ashcroft  
Benjamin N. Ashcroft  
Residing at: 518 West 2400 South, Perry, Utah 84302

Date April 1, 2004

Daniel B. Nielson  
Daniel B. Nielson  
Residing at: 3342 W. 1000 N., Tremonton, UT 84337

Date April 1, 2004

Daniel W. Doll  
Daniel W. Doll  
Residing at: 740 N. 2800 West, Marriott Slaterville, UT 84404-9515

Date April 1, 2004